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Linda S. Jernigan
IP Administrator
Signature

P&G Case 7858MD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of :
White et al. : Confirmation No.
Serial No. 10/734536 : Group Art Unit
Filed December 12, 2003 : Examiner

For Oral Compositions Providing Optimal Surface Conditioning

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, record is being made on the attached Form PTO/SB08 of documents which the Patent Office may wish to consider in connection with examination of the above-identified patent application. It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in this case. As provided in §1.97(g), no representation is made or intended that a thorough art search was made. As provided in 37 C.F.R. §1.97(h), this Information Disclosure Statement does not constitute an admission of any kind, and specifically is not an admission that the documents listed on attached form PTO/SB08 are, or are considered to be, material to the patentability of the above-identified patent application, as defined in 37 C.F.R. §1.56(b).

1. ☒ 37 C.F.R. §1.97(b)(1) - U.S. Direct (use when filing IDS with nonprovisional patent application, or with Request for Continued Examination (RCE); or within 3 months of filing a nonprovisional patent application)

This information disclosure statement, submitted under 37 C.F.R. §1.97(b)(1), is being filed with the patent application, with a Request for Continued Examination or within three months of the filing date of a national application. Therefore, no fee is believed to be due.

2. ☐ **37 C.F.R. §1.97(b)(3) - (use when filing IDS more than 3 months after filing a nonprovisional patent application, but prior to receipt of first Office Action)**

This information disclosure statement is being submitted under 37 C.F.R. §1.97(b)(3). Applicants have not received an Office Action on the merits in the present application. Therefore, no fee is believed to be due. However, in the event that this paper is crossing in the mail with a first Office Action on the merits, authorization is hereby given to charge the required fee pursuant to 37 C.F.R. §1.97(c) and 37 C.F.R. §1.17(p) to Deposit Account No. 16-2480 in the name of The Procter & Gamble Company. A duplicate of this letter (or a fee transmittal form) is enclosed to facilitate charging of the fee, if necessary.

3. ☐ **37 C.F.R. §1.97(b)(4) - (use when filing IDS prior to receipt of first Office Action after the filing of a Request for Continued Examination (RCE) under §1.114)**

This information disclosure statement is being submitted under 37 C.F.R. §1.97(b)(4). Applicants have not received a first Office Action after filing a Request For Continued Examination (RCE). Therefore, no fee is believed to be due. However, in the event that this paper is crossing in the mail with a first Office Action on the merits, authorization is hereby given to charge the required fee pursuant to 37 C.F.R. §1.97(c) and 37 C.F.R. §1.17(p) to Deposit Account No. 16-2480 in the name of The Procter & Gamble Company. A duplicate of this letter (or a fee transmittal form) is enclosed to facilitate charging of the fee, if necessary.

4. ☐ **37 C.F.R. §1.97(c) with fee payment - (use when filing IDS after receipt of first Office Action, and before receipt of Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution)**

This information disclosure statement is being submitted under 37 C.F.R. §1.97(c). Applicant(s) have not received a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (e.g., *Ex parte Quayle*) as of the date of this submission. Applicant(s) elect to pay the fee set forth in 37 C.F.R. §1.17(p). Please charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account Number 16-2480 in the name of The Procter & Gamble Company. A duplicate copy of this letter (or a fee transmittal form) is enclosed to facilitate the charging of the fee.

5. ☐ **Information to be Considered with Continued Prosecution Application (CPA) Filing (use when filing IDS with a Continued Prosecution Application (CPA) for Design Case).** This information disclosure statement is being filed with a Continued Prosecution Application (CPA) filed under 37 C.F.R. 1.53(d).

ADDITIONAL ITEMS TO BE NOTED BY THE EXAMINER:

☐ (1) (For use with applications filed prior to or on June 30, 2003.) Copies of the cited documents are enclosed.

OR

☐ (2) (For use with applications filed after June 30, 2003.) In accordance with 37 C.F.R. §1.98(a)(2), Applicants are submitting copies of foreign patent documents and non-patent literature.

OR

☐ (3) All of the cited references were previously cited by or submitted to the USPTO in prior application Case No. ____, U.S. Patent Application Serial No. __, filed __. Applicants claim priority to said application under 35 U.S.C. §120. Accordingly, copies of previously submitted references are not provided with this Statement, pursuant to 37 C.F.R. §1.98(d). It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in this case.

OR

☒ (4) Copies of all said documents, except Cite Numbers 1-12, were submitted and considered in parent application U.S. Patent Application Serial No. 09/710250, filed November 10, 2000. Applicant(s) claim priority to said application under 35 U.S.C. §120. Accordingly, a copy of the previously submitted (PT0SB08) is provided with this Statement, pursuant to 37 C.F.R. §1.98(d). Copies of references not previously submitted are enclosed. It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in this case.

☐ (5) Pursuant to 37 C.F.R. §1.98(c), a concise explanation of the relevance of each cited reference that is not in the English language is provided.

☐ (6) Applicants also respectfully request the Examiner to consider and make of record the co-pending applications listed on the attached page.

☐ Additional information is attached.

Respectfully submitted,

By Emelyn L. Hiland

Emelyn L. Hiland
Attorney or Agent for Applicant(s)
Registration No. 41,501
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Date: February 2, 2004

Customer No. 27752

(7858MD IDS.doc) (Last Revised 10/10/03)

CO-PENDING U.S. APPLICATIONS

Entire copies of all co-pending applications (or the portion of the application and claims that caused it to be cited) must be sent with the IDS (see 37 CFR 1.98(a)(2)(iii))

<u>Atty. Docket No.</u>	<u>Serial Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>
7858M	09/710250	White et al.	11/10/00
7858MR	10/319108	Baig et al.	12/13/02
7858MRR	10/734381	Faller et al.	12/12/03
7858MRR2	10/737425	Baig et al.	12/16/03

[Only applications that remain pending at the time of submitting this IDS should be listed here. For applications in which patents have issued, the granted patents should be listed on Form PTO/SB08.]

PTO/SB08A (08-03)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO <div style="text-align: center; font-weight: bold; font-size: 1.2em;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT </div> <p style="text-align: center; font-size: 0.8em;">(use as many sheets as necessary)</p> <div style="position: absolute; left: 0; bottom: 0; width: 100px; height: 100px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 100px; font-size: 0.6em; font-weight: bold; transform: rotate(-45deg);"> OFFICE JAN 6 2004 PRICE \$10.00 </div> <p>SHEET of 1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center; padding: 2px;">COMPLETE IF KNOWN</th> </tr> <tr> <td style="width: 50%; padding: 2px;">Application Number</td> <td style="padding: 2px;">10/734536</td> </tr> <tr> <td style="padding: 2px;">Confirmation Number</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Filing Date</td> <td style="padding: 2px;">December 12, 2003</td> </tr> <tr> <td style="padding: 2px;">First Named Inventor</td> <td style="padding: 2px;">White et al.</td> </tr> <tr> <td style="padding: 2px;">Group Art Unit</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Examiner Name</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Attorney Docket Number</td> <td style="padding: 2px;">7858MD</td> </tr> </table>	COMPLETE IF KNOWN		Application Number	10/734536	Confirmation Number		Filing Date	December 12, 2003	First Named Inventor	White et al.	Group Art Unit		Examiner Name		Attorney Docket Number	7858MD
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FEB 06 2004
 SHEET

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

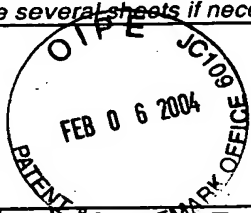
EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	9	JP	2001-158725		06-12-2001	Lion Corp.		
	10	W0	01/34107 A1		05-17-2001	The Procter & Gamble Co.		
	11	W0	01/34108 A1		05-17-2001	The Procter & Gamble Co.		
	12	W0	01/72144 A1		10-04-2001	Smithkline Beecham PLC		
EXAMINER					DATE CONSIDERED			

Applicant's unique citation designation number (optional). ²See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

7858MD PTO-SB08
(Revised for P&G use 10/8/2003)

Sheet 1 of 5

LIST OF DOCUMENTS CITED BY APPLICANTS (Use several sheets if necessary)	ATTY. DOCKET NO. 7858M	SERIAL NO. 09/710,250
	APPLICANT Donald J. White, et al.	
	FILING DATE November 10, 2000	GROUP



U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	2,191,199	2/20/40	Hall	167	93	
	2,409,718	10/22/46	Snell et al.	252	106	
	2,498,344	2/21/50	Rider et al.	252	103	
	2,946,725	7/26/60	Norris	167	93	
	3,004,897	10/17/61	Shore	167	93	
	3,130,002	4/21/64	Fuchs et al.	21	2.7	
	3,562,385	2/9/71	Block et al.	424	54	
	3,862,307	1/21/75	DiGiulio	424	52	
	3,932,603	1/13/76	Haas	424	49	
	3,934,002	1/20/76	Haefele	424	54	
	3,959,458	5/25/76	Agricola et al.	424	52	
	4,051,234	9/27/77	Gieske et al	424	52	
	4,206,215	6/03/80	Bailey	424	263	
	4,244,931	01/13/81	Jarvis et al.	423	266	
	4,247,526	01/27/81	Jarvis et al.	423	266	
	4,340,583	07/20/82	Wason	424	52	
	4,357,318	11/02/82	Shah et al.	424	57	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
EP 0026539	09/25/80	Europe	A61K	7/16	X
WO98/51271	04/09/98	World	A61K	7/26	
GB490,384	08/15/38	Great Britain			
CA570,803	02/17/59	Canada			
WO94/14406	07/07/94	World	A61K	7/16	
WO94/14407	07/07/94	World	A61K	7/16	
WO95/09603	04/13/95	World	A61K	7/20	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Draus, F.J., et al. "Pyrophosphate and Hexametaphosphate Effects in <i>In Vitro</i> Calculus Formation", Archs Oral Biol., Vol. 15, pp. 893-896 (1970).
	Opinion, Ex Parte Novitski, U.S. Patent and Trademark, Board of Patent Appeals and Interferences, Decided January 22, 1993, No. 92-1680, USPO2d 1389
	Kerr, D.A., et al., "Sodium Hexametaphosphate as an Aid in the Treatment of Periodontal Disease", Journal of Dentistry, 23:313-316 (1944)
EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,370,314	01/25/83	Gaffar	424	54	
	4,452,713	06/05/84	Small	252	99	
	4,459,281	07/10/84	Sipos	424	52	
	4,460,565	07/17/84	Weststrate et al.	424	52	
	4,515,772	05/07/85	Parran, Jr. et al.	424	57	
	4,528,180	07/09/85	Schaeffer	424	52	
	4,528,181	07/09/85	Morton et al.	424	52	
	4,562,066	12/31/85	Hayes et al.	424	52	
	4,568,540	02/04/86	Asano et al.	424	52	
	4,627,977	12/09/86	Gaffar et al.	424	52	
	4,664,906	05/12/87	Sipos	424	49	
	4,687,663	08/18/87	Schaeffer	424	52	
	4,842,847	06/27/89	Amjad	424	52	
	4,849,213	07/18/89	Schaeffer	424	53	
	4,892,725	01/09/90	Amjad	424	49	
	4,894,220	01/16/90	Nabi et al.	424	52	
	4,894,220	01/16/90	Nabi et al.	424	52	
	4,913,895	04/03/90	Miyake et al.	424	52	
	4,939,284	07/03/90	Degenhardt	558	142	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
WO97/46462	12/11/97	World	B65D	35/22	
WO98/04234	02/05/98	World	A61K	7/16	
WO98/47475	10/29/98	World	A61K	7/16	
WO99/20238	04/29/99	World	A61K	7/16	
WO99/53893	10/28/99	World	A61K	7/16	
BE 837701	07/19/76	Belgium*			

*Equivalent for DE 2602981 published 7/77.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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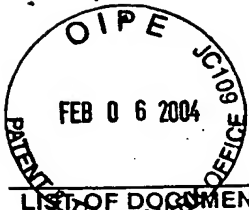
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	4,980,152	12/25/90	Frazier et al.	424	52	
	5,000,944	03/19/91	Prencipe et al.	424	57	
	5,004,597	04/02/91	Majeti et al.	424	52	
	5,009,882	04/23/91	Degenhardt et al.	424	52	
	5,011,913	04/30/91	Benedict et al.	530	390	
	5,015,466	05/14/91	Parran, Jr. et al.	424	52	
	5,041,280	08/20/91	Smigel	424	52	
	5,093,170	03/03/92	Degenhardt et al.	425	55	
	5,094,844	03/10/92	Gaffar et al.	424	52	
	5,017,363	05/21/91	Suhonen	424	52	
	5,096,701	03/17/92	White, Jr. et al.	424	52	
	5,098,711	03/24/92	Hill et al.	424	401	
	5,145,666	09/08/92	Lukacovic et al.	424	52	
	5,176,900	01/05/93	White Jr. et al.	424	52	
	5,192,532	03/09/93	Guay et al.	424	53	
	5,213,789	05/25/93	Degenhardt et al.	424	52	
	5,213,790	05/25/93	Lukacovic et al.	424	52	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5,256,402	10/26/93	Prencipe et al.	424	53	
	5,281,410	01/25/94	Lukacovic et al.	424	52	
	5,292,501	03/08/94	Degenhardt et al.	424	49	
	5,296,215	03/22/94	Burke et al.	424	49	
	5,296,217	03/22/94	Stookey	424	57	
	5,320,831	06/14/94	Majeti et al.	424	52	
	5,320,832	06/14/94	Catiis et al.	424	52	
	5,338,537	08/16/94	White Jr. et al.	424	57	
	5,368,844	11/29/94	Gaffar et al.	424	49	
	5,372,802	12/13/94	Barrows et al.	424	52	
	5,496,540	03/05/96	Gaffar et al.	424	49	
	5,565,190	10/15/96	Santalucia et al.	424	53	
	5,571,501	11/05/96	Toy	424	49	
	5,578,293	11/26/96	Prencipe et al.	424	49	
	5,589,160	12/31/96	Rice	424	49	
	5,599,525	02/04/97	Hsu et al.	424	49	
	5,601,803	02/11/97	Masters et al.	474	49	

FOREIGN PATENT DOCUMENTS

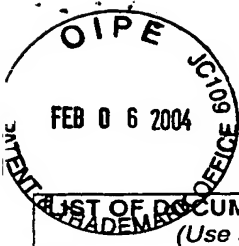
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	5,603,920	02/18/97	Rice	424	49	
	5,614,174	03/25/97	Hsu et al.	424	49	
	5,616,313	04/01/97	Williams et al.	424	49	
	5,630,999	05/20/97	Burke et al.	424	49	
	5,632,972	05/27/97	Williams et al.	424	49	
	5,648,064	07/15/97	Gaffar et al.	424	53	
	5,651,958	07/29/97	Rice	424	49	
	5,658,553	08/19/97	Rice	424	49	
	5,719,600	02/10/98	Zahradnik et al.	424	52	
	5,716,601	02/10/98	Rice	424	52	
	5,780,015	07/14/98	Fisher et al.	424	52	
	5,814,303	09/29/98	Williams et al.	424	57	
	5,820,854	10/13/98	Glandorf	424	52	
	5,833,952	11/10/98	Grigor et al.	424	49	
	5,885,553	03/23/99	Michael	424	49	
	5,885,554	03/23/99	Michael et al.	424	49	
	5,891,448	04/06/99	Chow et al.	424	400	
	5,902,568	05/11/99	Ryles et al.	424	53	
	5,939,052	08/17/99	White, Jr. et al.	424	52	
	5,948,390	09/07/99	Nelson et al.	424	54	
	5,980,776	11/09/99	Zakikhani et al.	252	175	

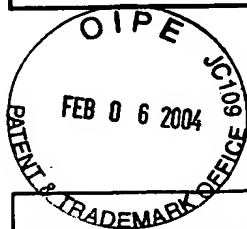
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ATTY. DOCKET NO.: 7858M	SERIAL NO.: 09/710,250
APPLICANT: White, et al.	
FILING DATE: November 10, 2000	



PTO-1449 SUPPLEMENT

Examiner's Initial	Application No.	Inventors	Filing Date
	09/710,209	Glandorf, et al.	11/10/2000
	09/710,440	Glandorf, et al.	11/10/2000